

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 70.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-002286**Date Inspected:** 16-Jan-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 830**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1930**Contractor:** Japan Steel Works**Location:** Muroran, Japan**CWI Name:****CWI Present:****Yes No****Inspected CWI report:** **Yes No N/A****Rod Oven in Use:** **Yes No N/A****Electrode to specification:** **Yes No N/A****Weld Procedures Followed:** **Yes No N/A****Qualified Welders:** **Yes No N/A****Verified Joint Fit-up:** **Yes No N/A****Approved Drawings:** **Yes No N/A****Approved WPS:** **Yes No N/A****Delayed / Cancelled:** **Yes No N/A****Bridge No:** 34-0006**Component:** Casting pouring for W2E3**Summary of Items Observed:**

The JSW Engineer Itoh Yoshihiro escorted Caltrans SMR Mr. Ron Brasel and quality assurance Inspector (QAI) Wai Pau to casting shop, to observe the JSW casting operators perform casting pouring on the West Deviation Saddle Segments numbered W2E3. The segment pattern module has been molded by using a mixture of casting sand and binder a month ago. Total of 200 ton steels, to be used for saddle segment and PQR test plates was melted last night with two electric arc furnace. According to JSW melting data report, the steel's chemical composition and temperature met the requirements prior to pouring. All the melted steel was deposited into pattern module with 20 minutes and cover by casting sand. Based on Caltrans observation, no discrepancies were noted.

**Summary of Conversations:**

The JSW Engineer Itoh Yoshihiro informed to SMR and QAI that casting pattern and sand will be removing when the casting is cooled down. It possible take sever working days.

**Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Venkatesh Iyer (858)697-6363, who represents the Office of Structural Materials for your project.

**Inspected By:** Pau,Wai

Quality Assurance Inspector

**Reviewed By:** Brasel,Ron

QA Reviewer